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7.5 μ g DNA

Ricerca 7610-99-9007

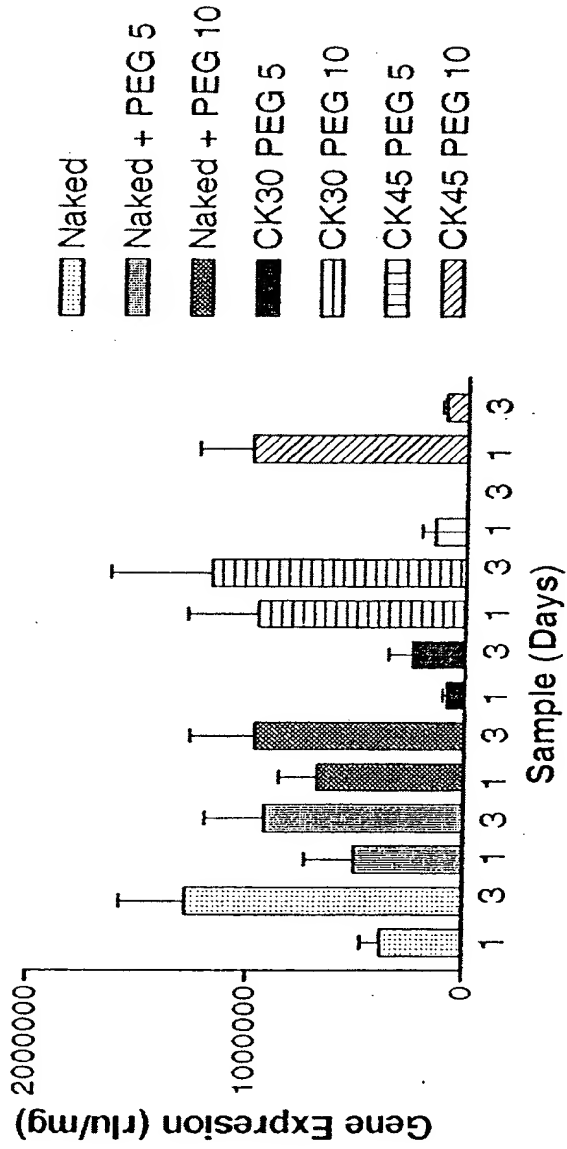


Fig. 1





7.5 μ g DNA

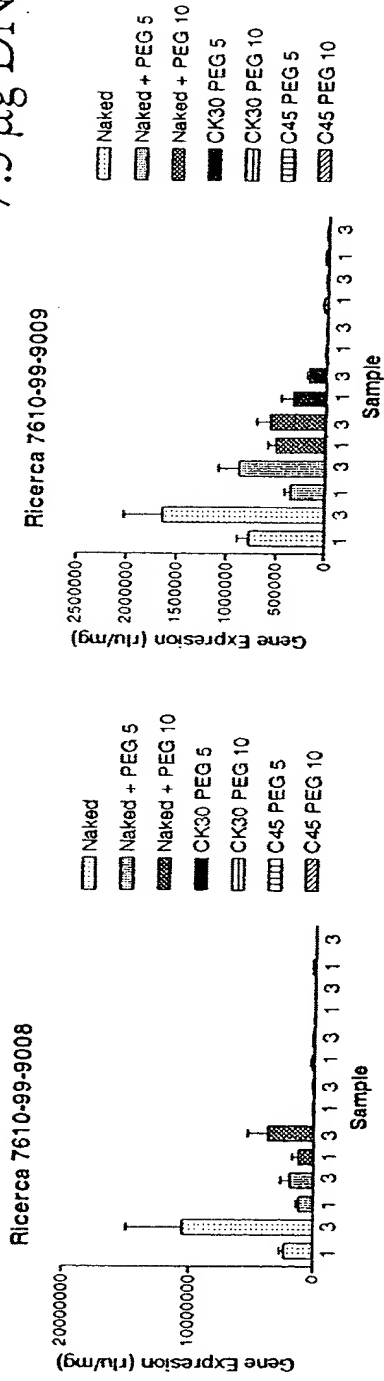
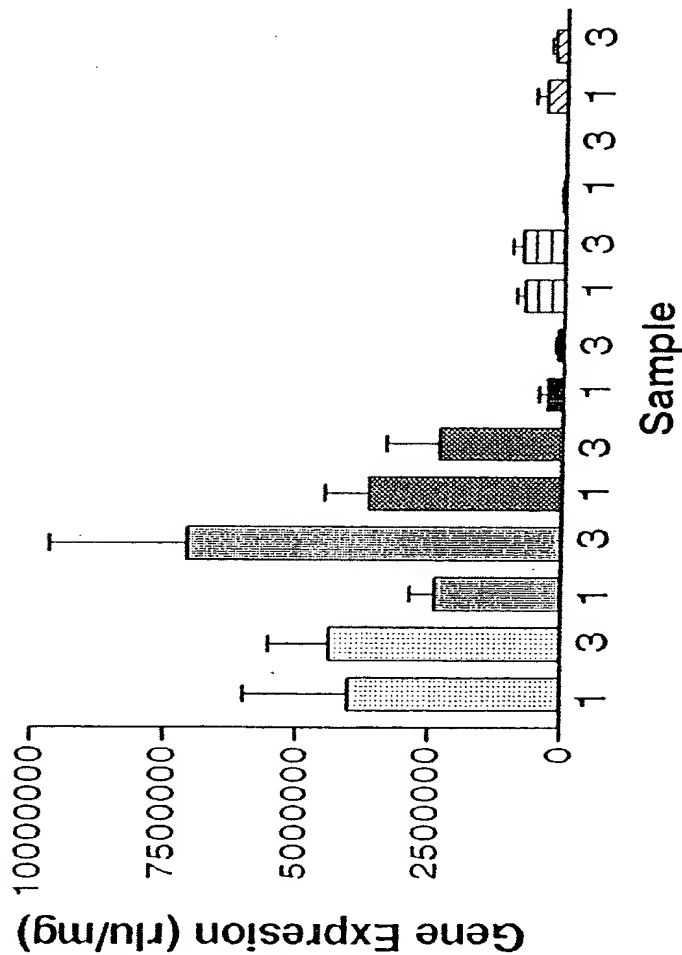


Fig. 2

Ricerca 7610-99-9010

7.5 μ g DNA



- Naked
- Naked + PEG 5
- Naked + PEG 10
- CK30 PEG 5
- CK30 PEG 10
- C45 PEG 5
- C45 PEG 10



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Fig. 3



7.5 μ g DNA

Ricerca 7610-99-9011

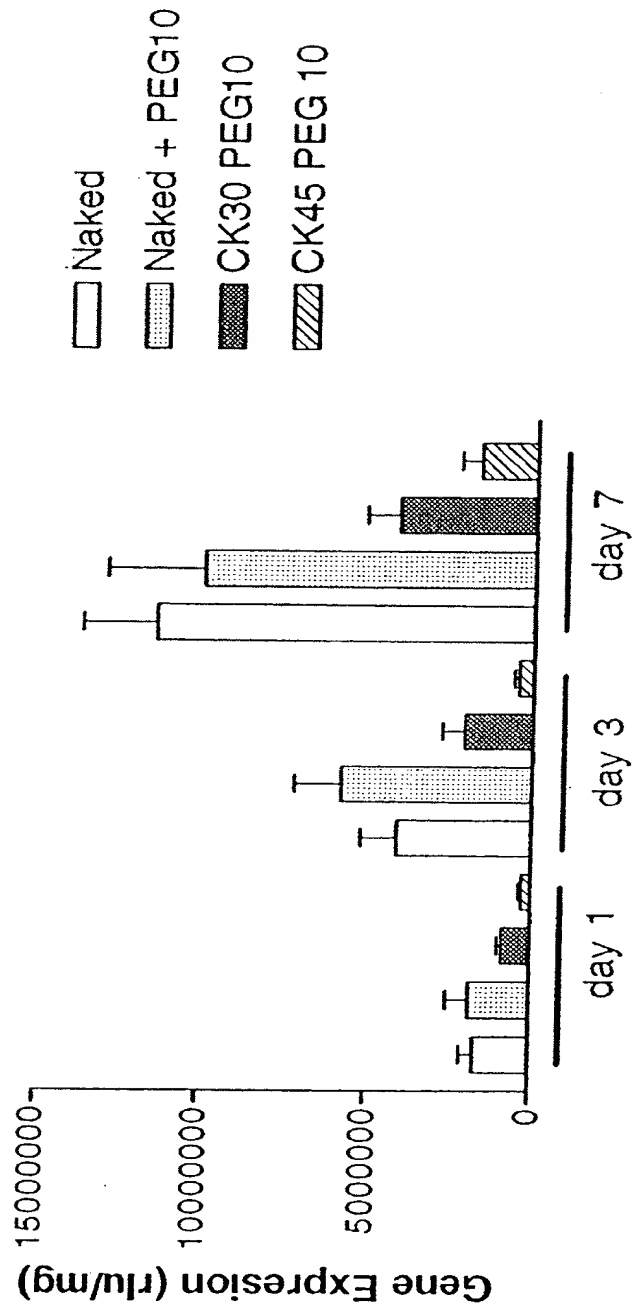


Fig. 4

Ricerca 7610-99-9013

7.5 μ g DNA

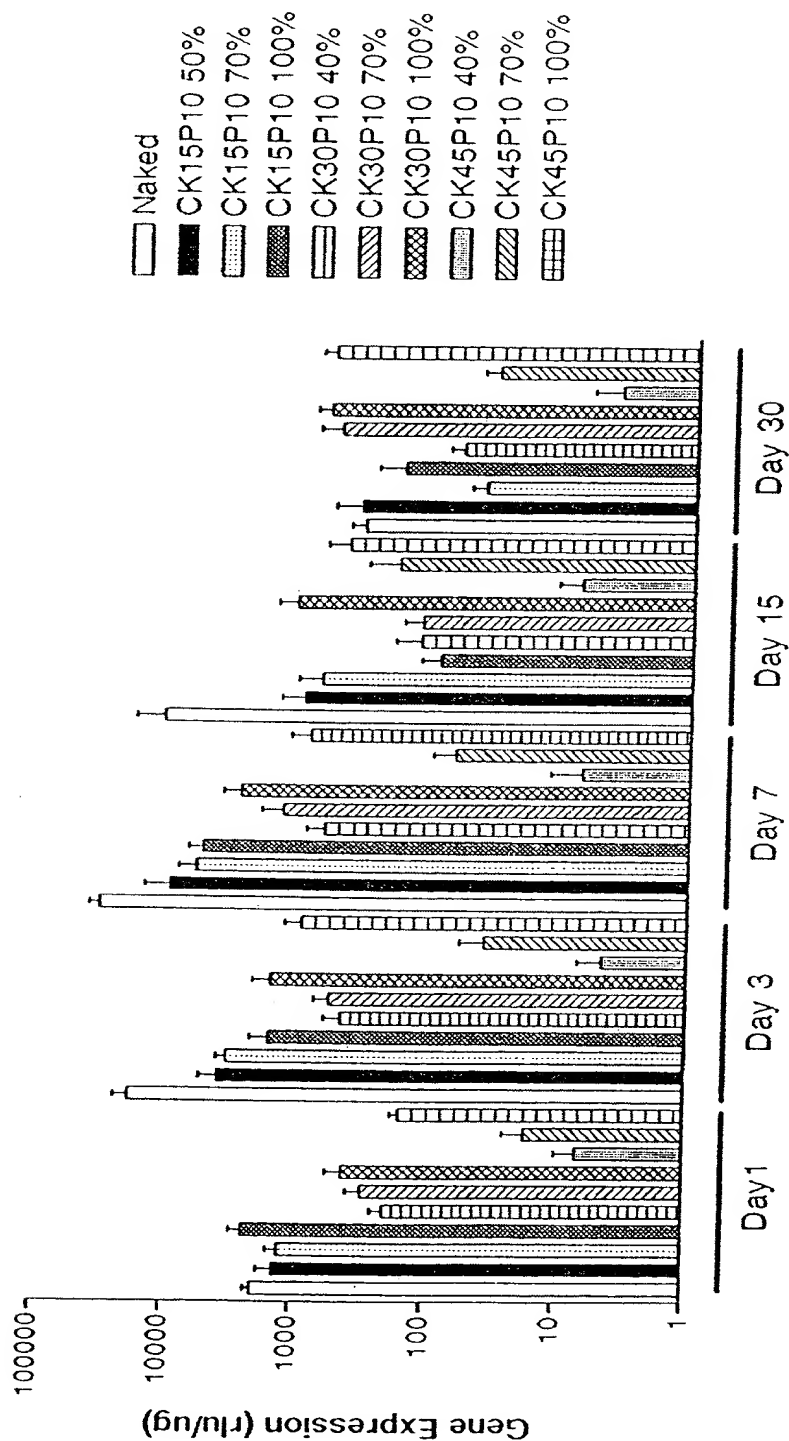


Fig. 5



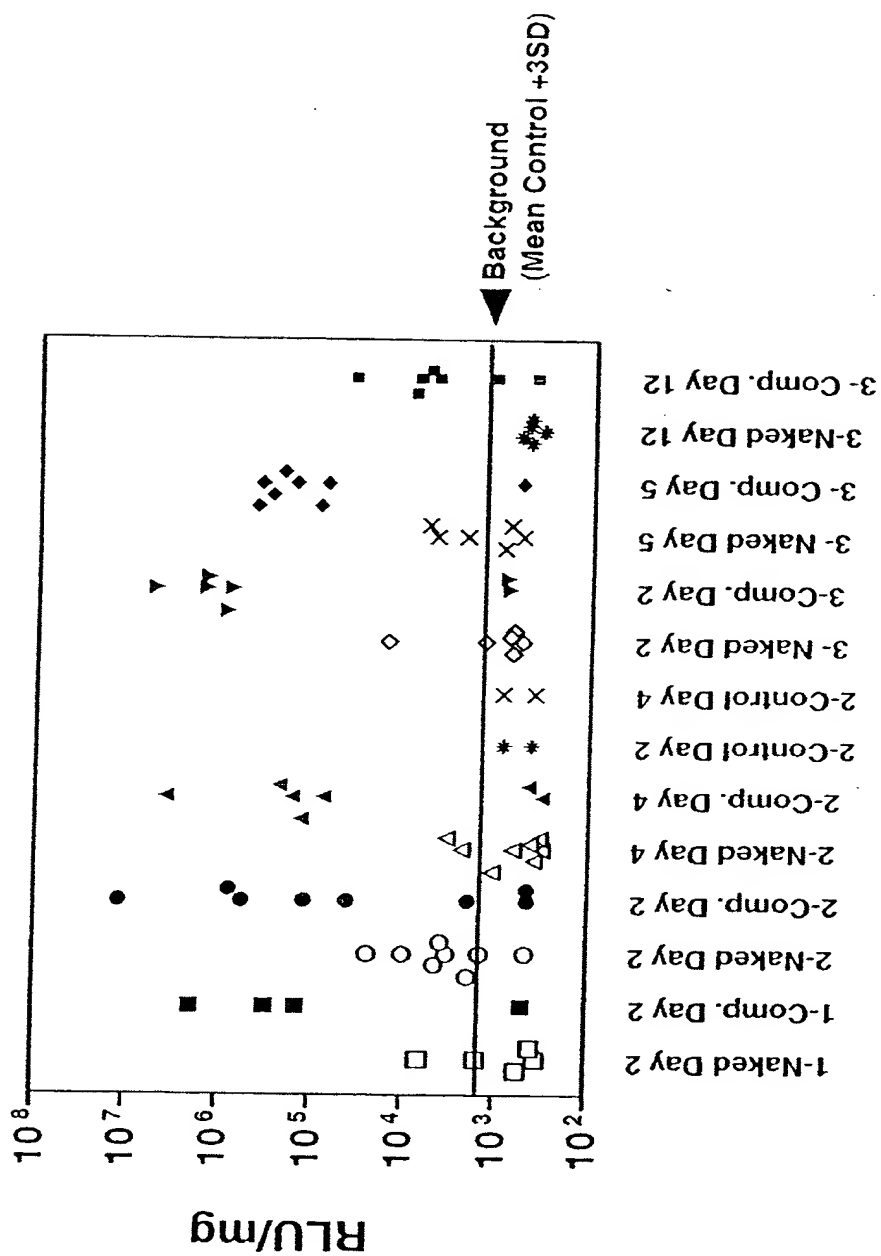


Fig. 6

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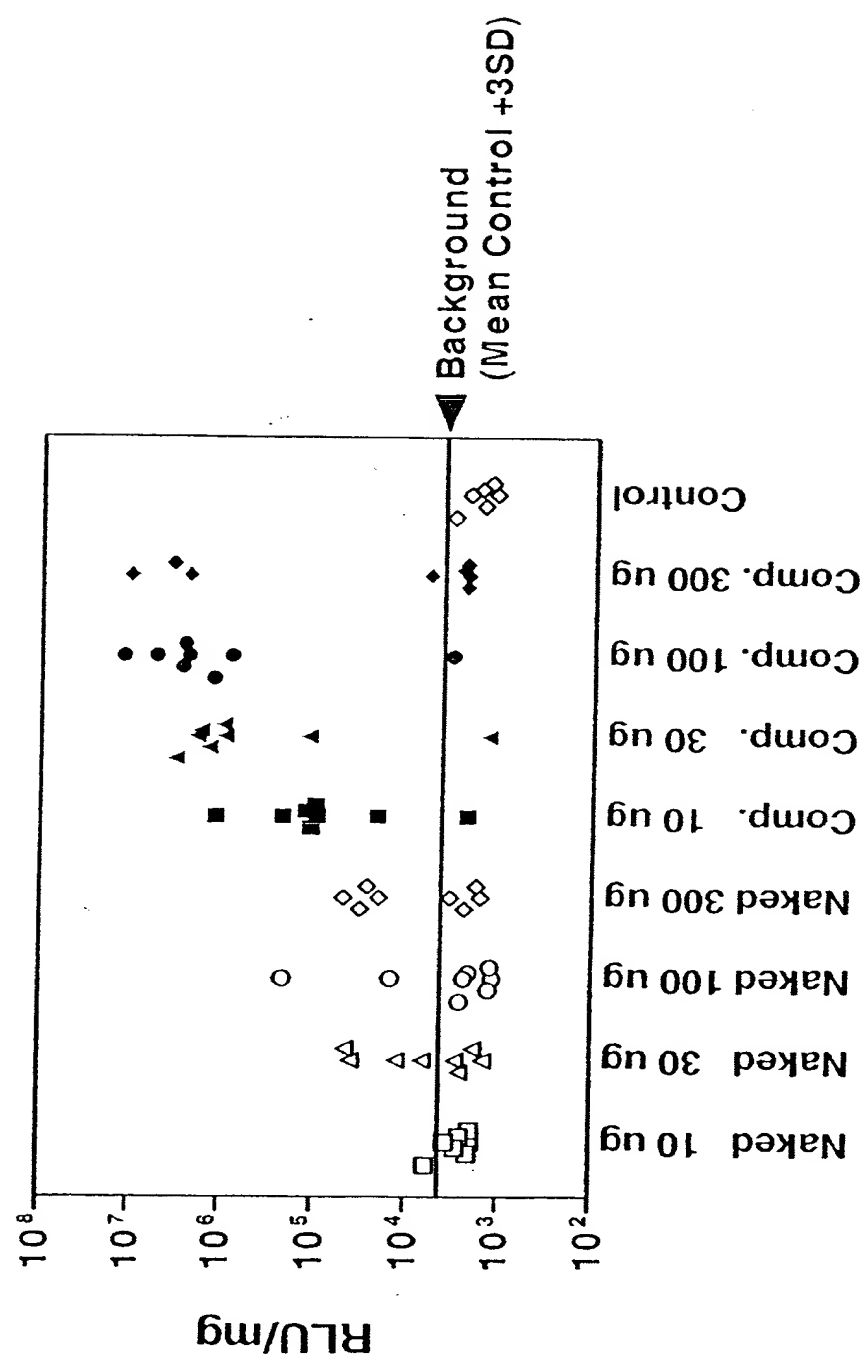


Fig. 7A

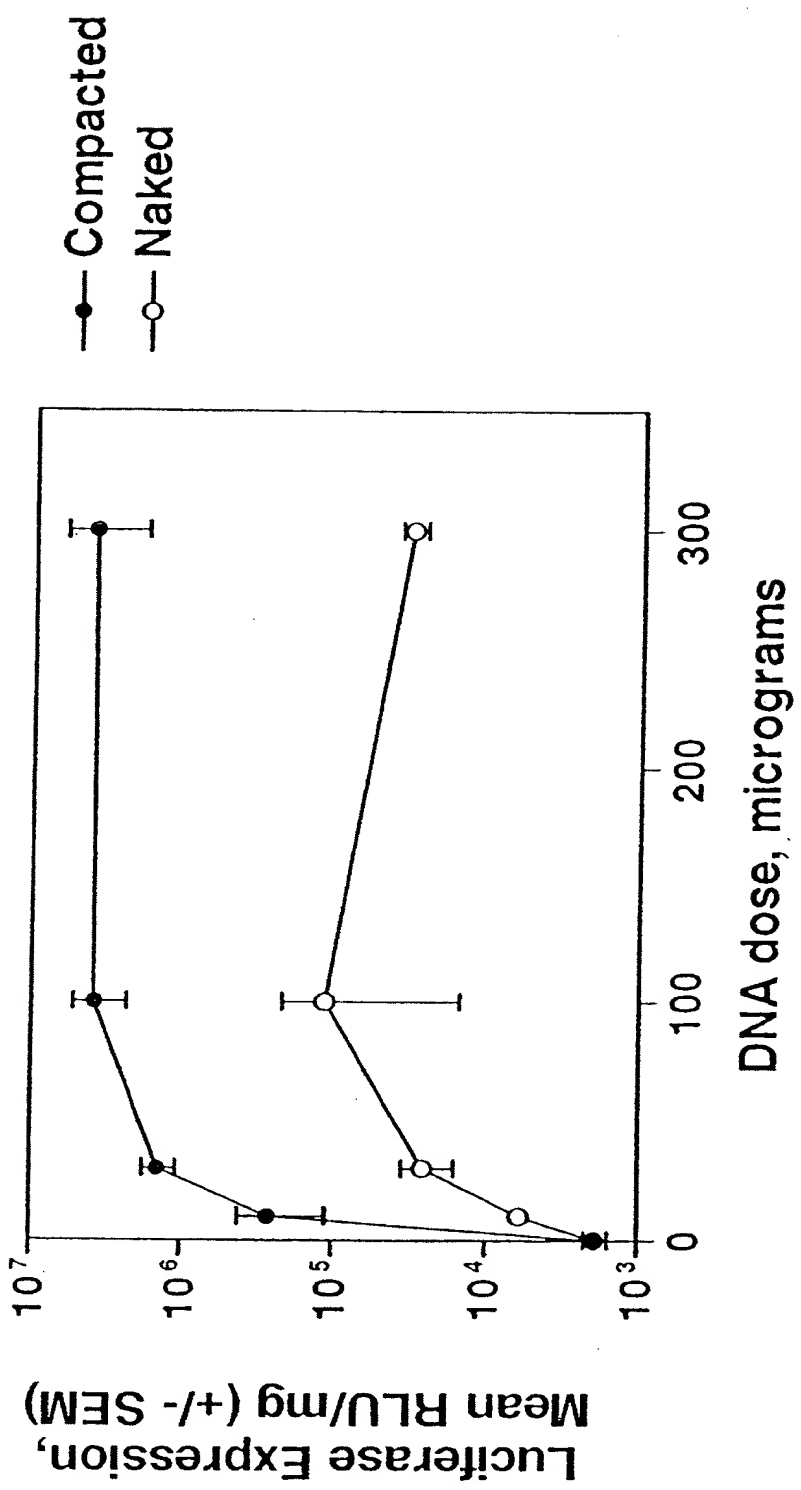


Fig. 7B



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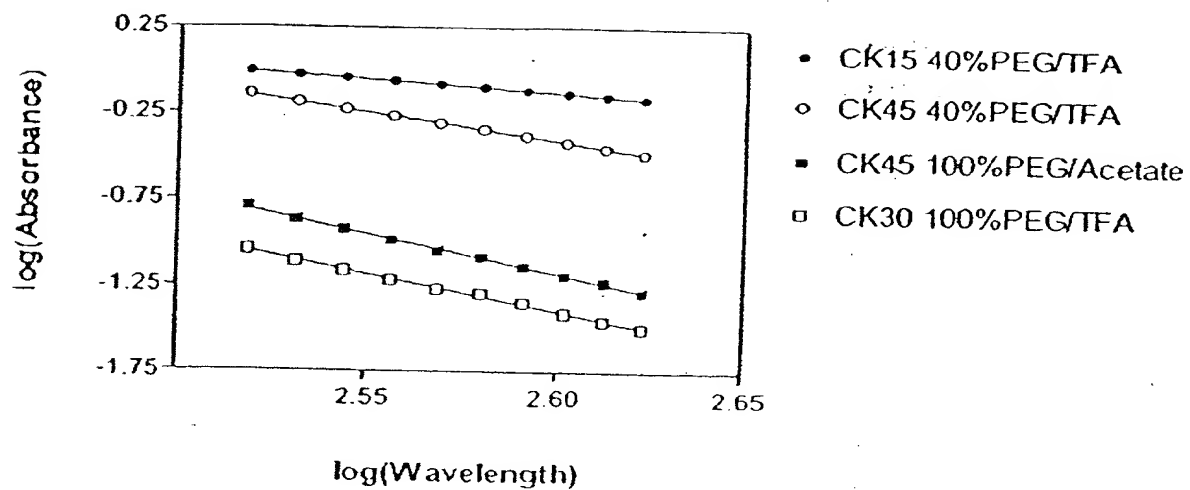
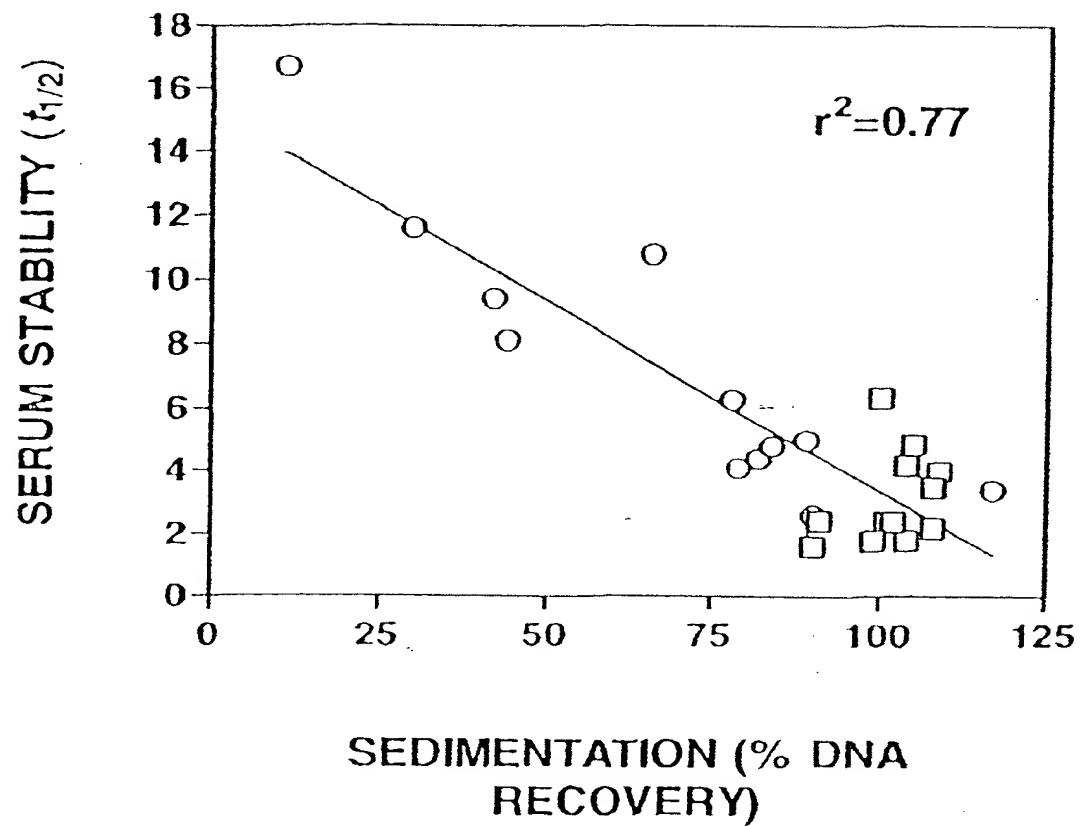


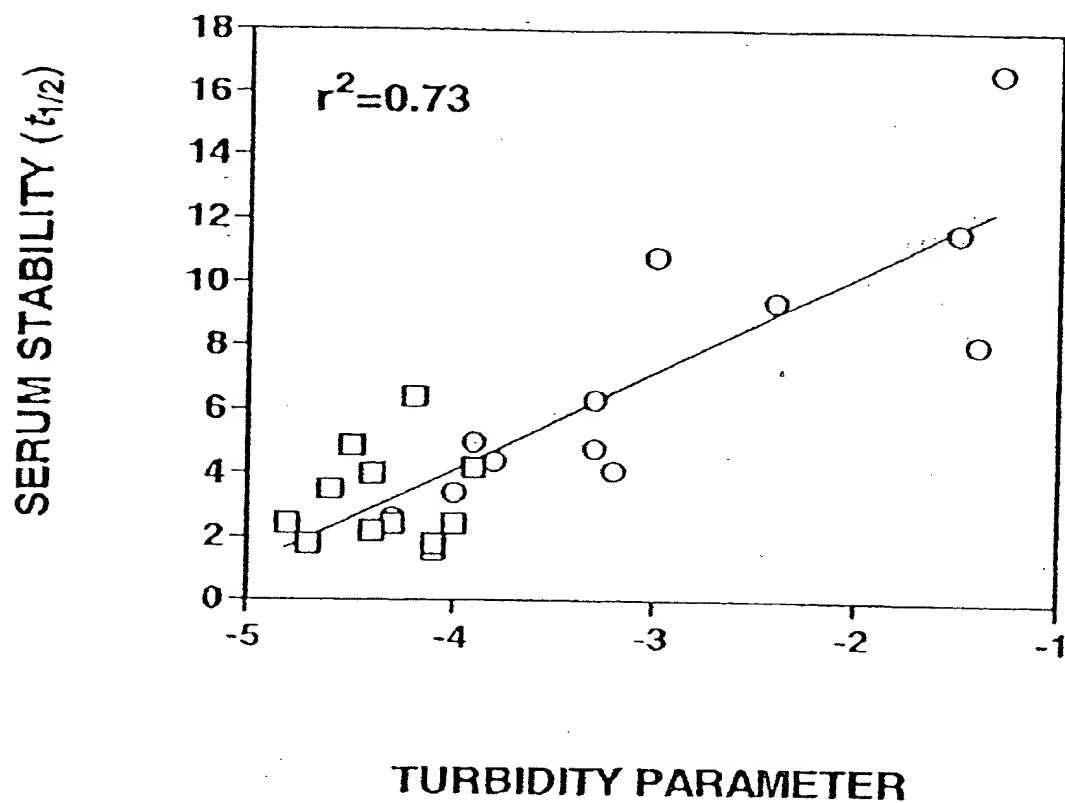
Fig. 8



- Type A Formulations
- Type B Formulations

Fig. 9A

Fig. 9B



- Type A Formulations
- Type B Formulations

Fig. 9C



PROPERTIES OF VARIOUS PLASmin™ FORMULATIONS

Formulation #	Counterion	Polylysine	PEG Content (%)	$t_{1/2}$ in Serum (h)	Turbidity Parameter	Sedimentation (%)
1	TFA	CK ₁₅	40	11.6	-1.5	30
2			60	10.8	-3.0	66
3			80	9.4	-2.4	42
4			100	16.7	-1.3	11
5	TFA	CK ₃₀	40	8.1	-1.4	44
6			60	4.1	-3.2	79
7			80	3.4	-4.0	117
8			100	2.6	-4.3	90
9	TFA	CK ₄₅	40	6.3	-3.3	78
10			60	4.4	-3.8	82
11			80	4.8	-3.3	84
12			100	5.0	-3.9	89
13	Acetate	CK ₁₅	40	2.4	-4.8	101
14			60	1.8	-4.7	104
15			80	1.6	-4.1	90
16			100	2.4	-4.0	102
17	Acetate	CK ₃₀	40	1.8	-4.1	99
18			60	2.4	-4.3	91
19			80	2.2	-4.4	108
20			100	4.0	-4.4	109
21	Acetate	CK ₄₅	40	6.4	-4.2	100
22			60	4.2	-3.9	104
23			80	4.9	-4.5	105
24			100	3.5	-4.6	108

Fig. 9D

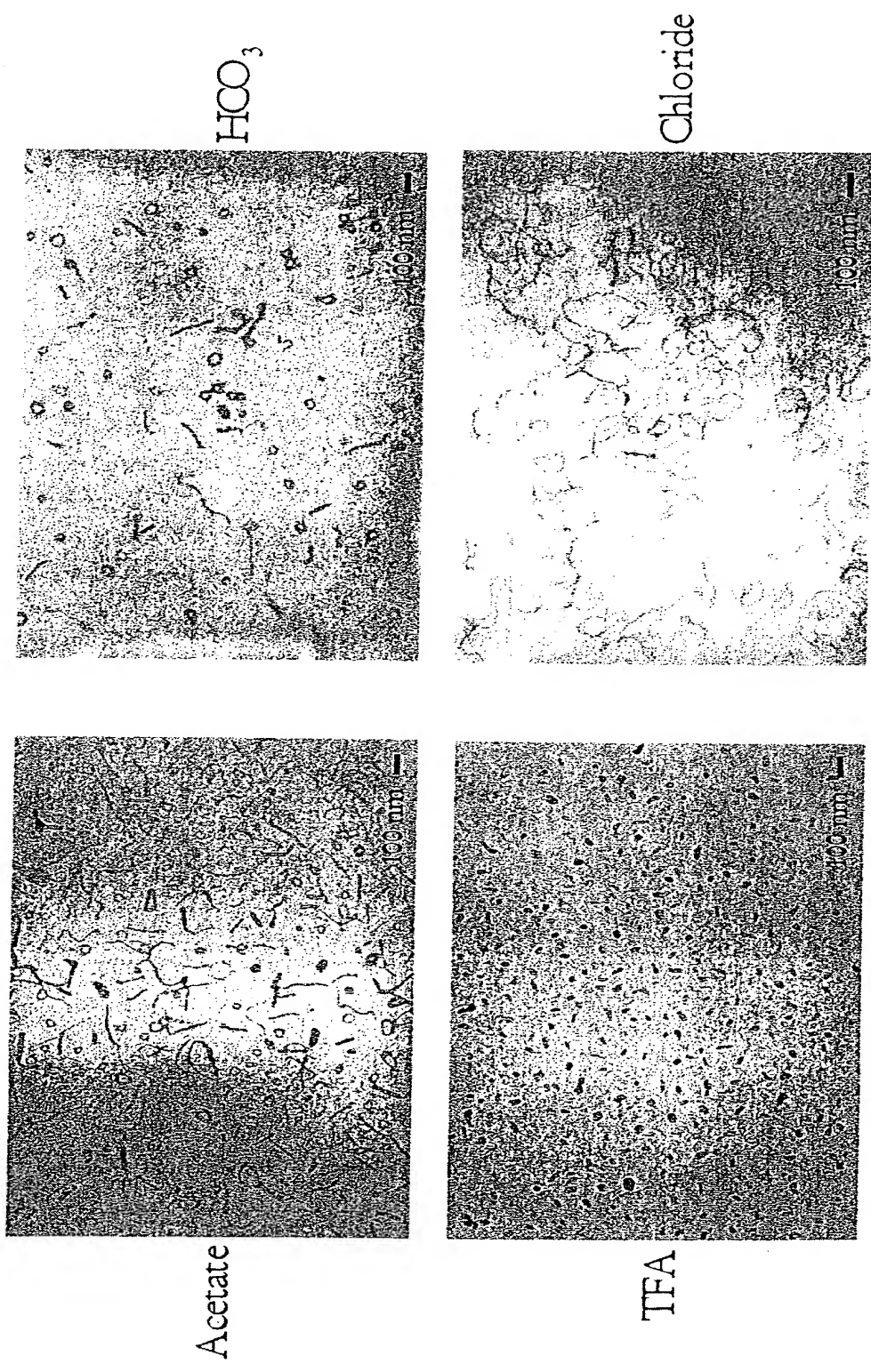


Fig. 10

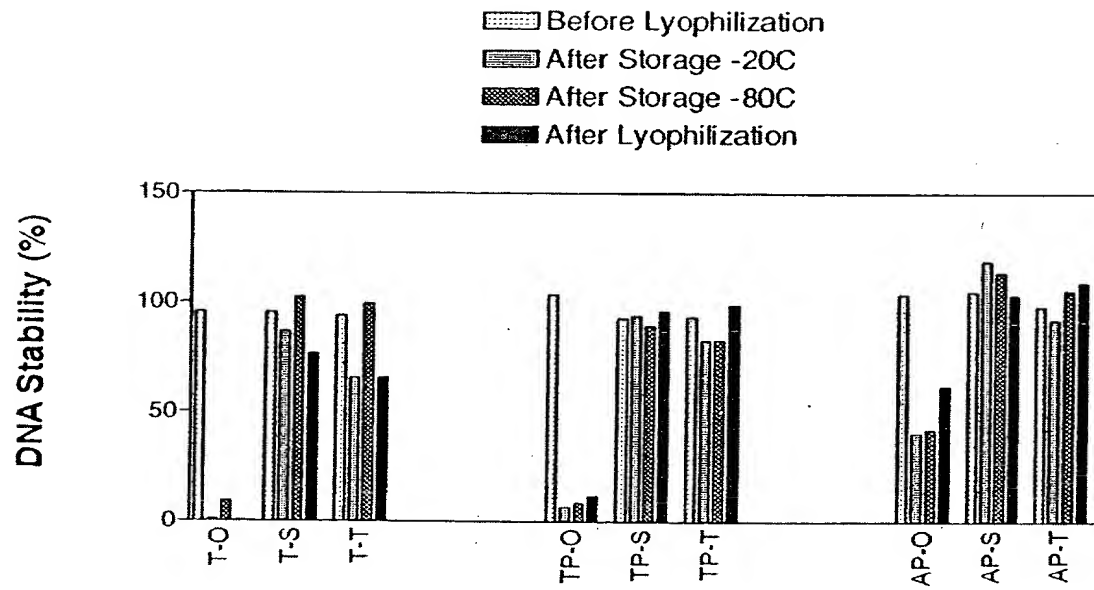
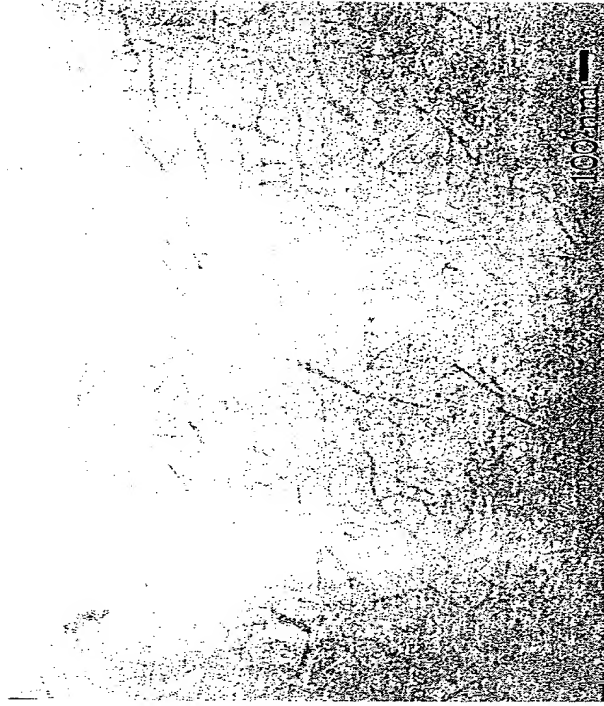


Fig. 11



Sample	Before Lyophilization	After Lyophilization
CK30TFA		
Original		
0.5M Sucrose	-4.31	ppt
0.5 M Trehalose	-3.81	-4.10
CK30P10k - TFA	-4.70	-4.01
Original		
0.5M Sucrose	-4.51	NE-4.61
0.5 M Trehalose	-4.15	
CK30P10k - Acetate	-4.65	-4.66
Original		-3.86
0.5M Sucrose	-4.76	
0.5 M Trehalose	-4.56	-3.32
	-4.57	-4.39

Fig. 12



AFTER

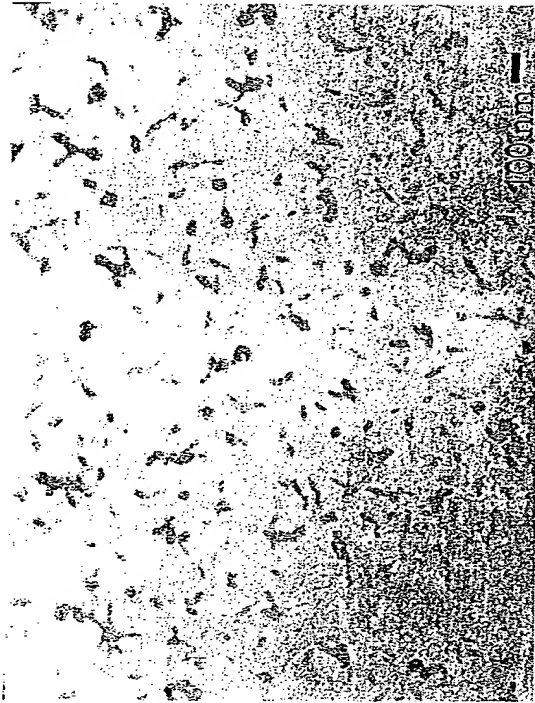


BEFORE

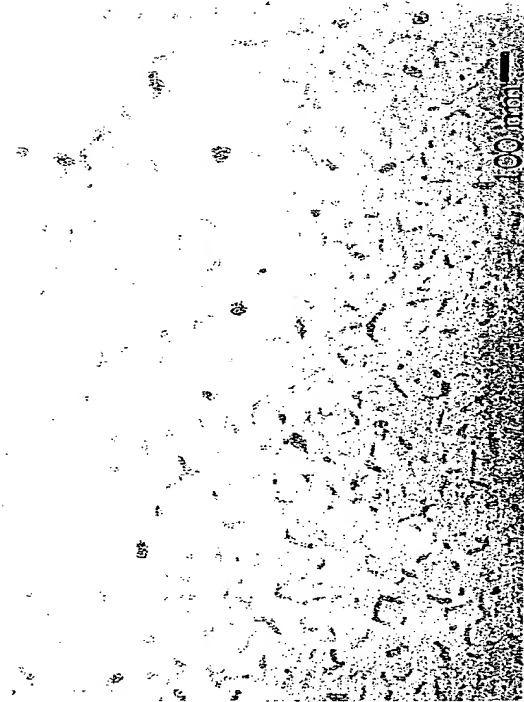
Fig. 13



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AFTER



BEFORE

Fig. 14

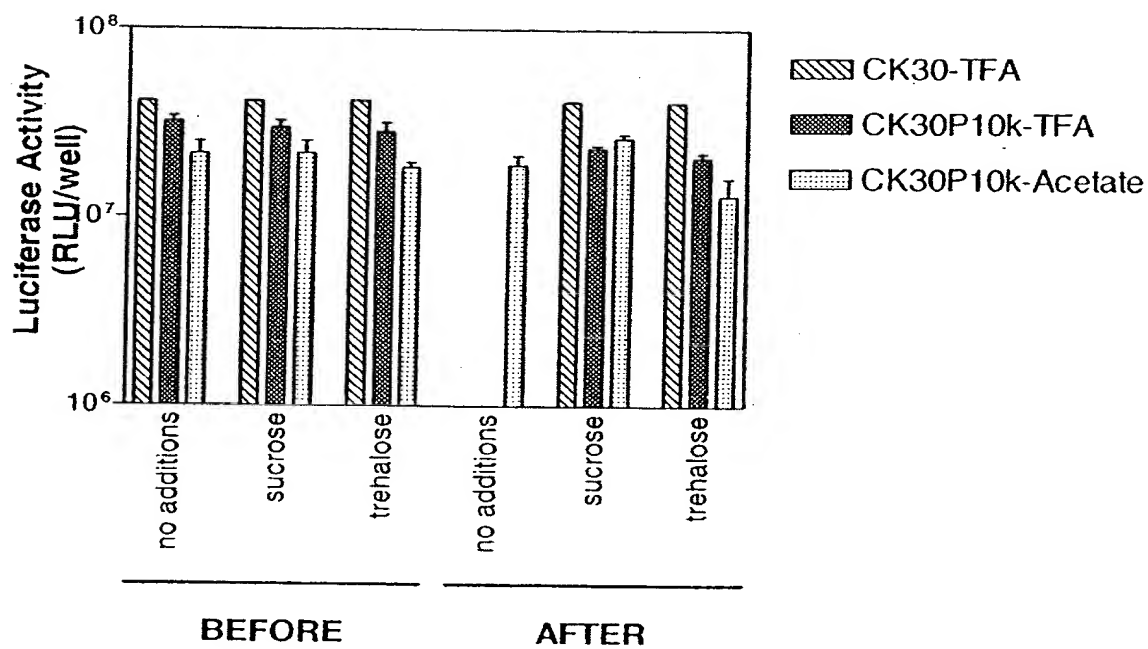
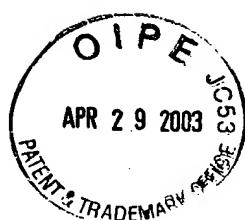


Fig. 15



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Polylysine	Counterion	DNA Recovery	Turbidity Parameter
CK30P10k	Acetate	100	-4.2
	Bicarbonate	98	-4.0
	Chloride	101	-5.2*
	TFA	97	-4.6
CK45P10k	Chloride	105	-4.0

Fig. 16

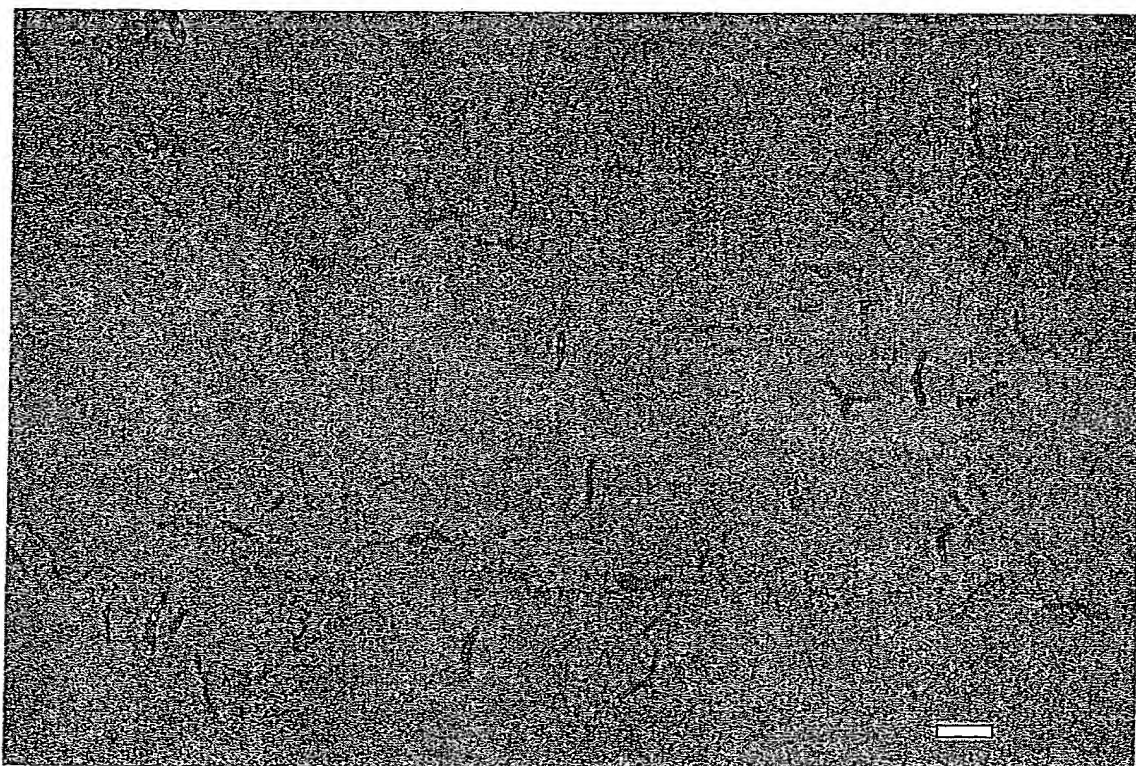


Fig. 17

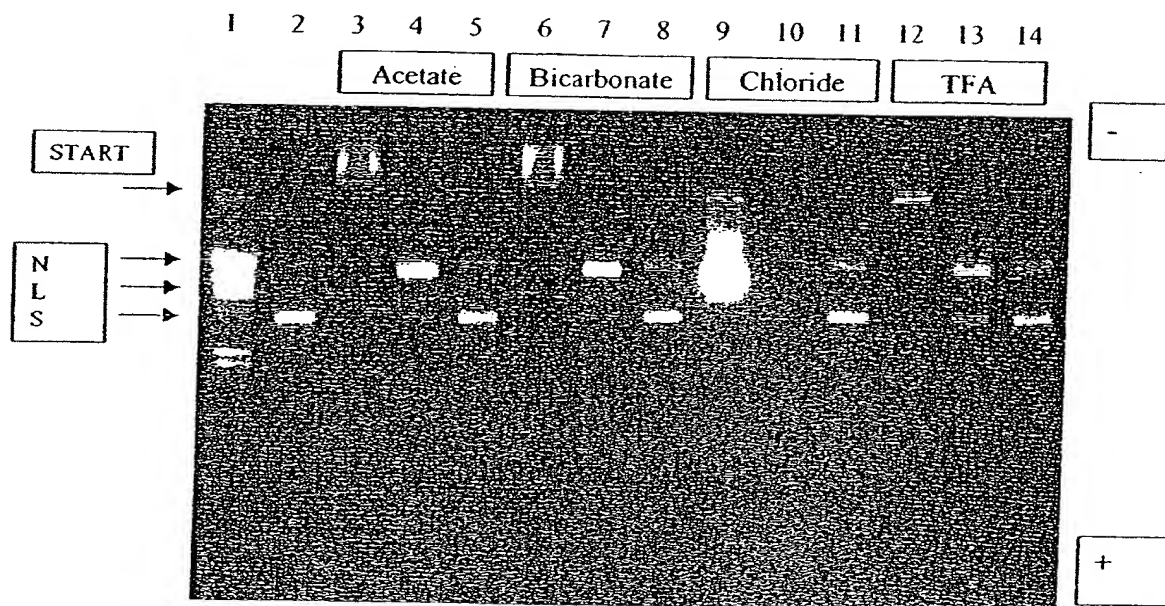


Fig. 18

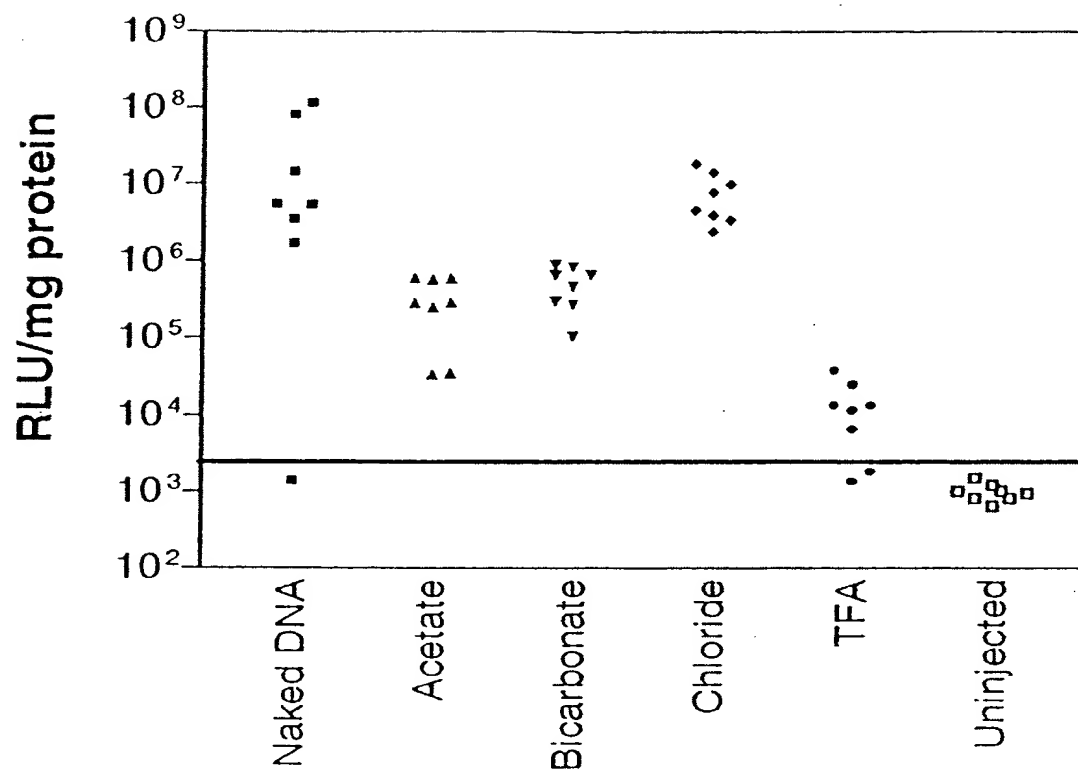


Fig. 19

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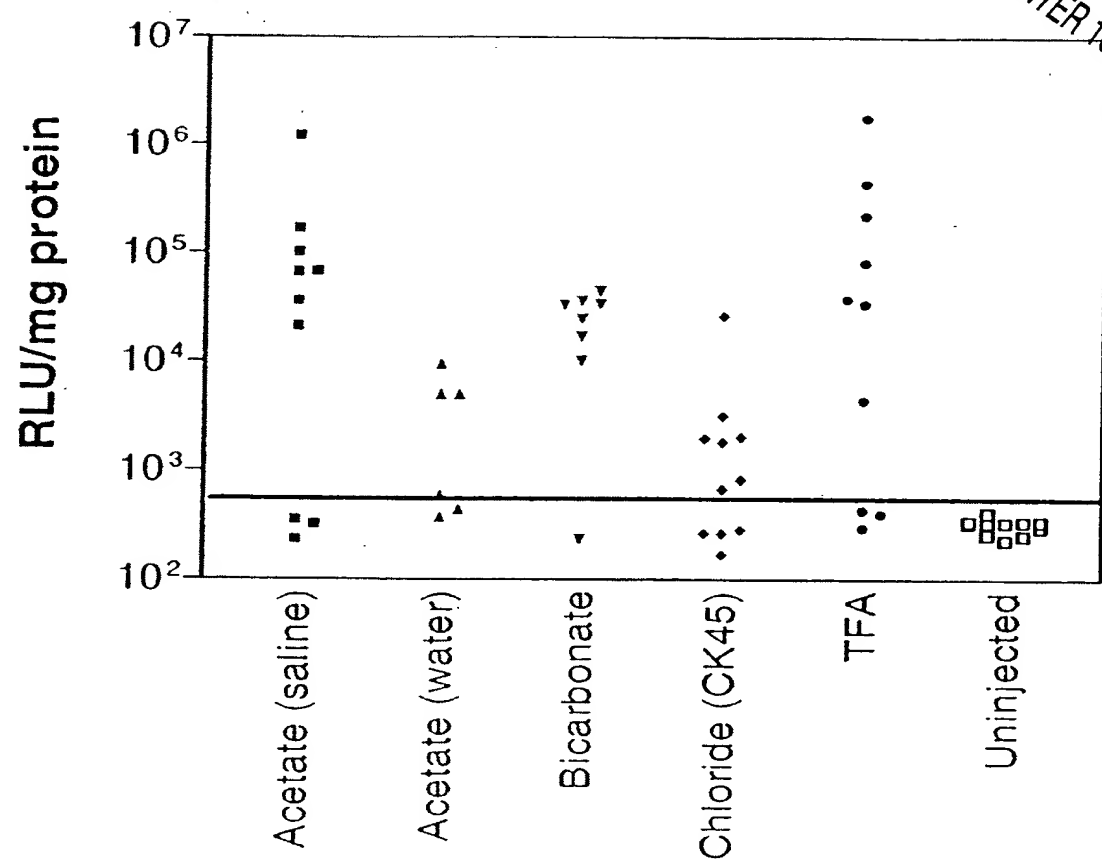


Fig. 20